

Message Text

LIMITED OFFICIAL USE

PAGE 01 STATE 013439

63

ORIGIN EB-07

INFO OCT-01 EUR-12 ISO-00 CAB-02 CIAE-00 COME-00 DODE-00

DOT-00 INR-07 NSAE-00 RSC-01 FAA-00 IO-10 OES-03

EPA-01 CEQ-01 HEW-02 NAS-01 /048 R

DRAFTED BY EB/OA/AVP:JKGORDON:EE

APPROVED BY EB/OA/AVP:DBORTMAN

FAA/AIA-121:FPMCCABE

----- 100582

P 202240Z JAN 75

FM SECSTATE WASHDC

TO AMEMBASSY PARIS PRIORITY

AMEMBASSY LONDON PRIORITY

AMEMBASSY BRUSSELS PRIORITY

AMEMBASSY MOSCOW PRIORITY

AMCONSUL MONTREAL PRIORITY

LIMITED OFFICIAL USE STATE 013439

E.O. 11652: N/A

TAGS: EAIR, UK, FR

SUBJECT: SUMMARY OF DOT CLIMATIC IMPACT ASSESSMENT PROGRAM
(CIAP) FINAL REPORT

REF: STATE 1690, 12319

BRUSSELS FOR FAA

MONTREAL FOR US ICAO REP DILLON

1. CIAP EXECUTIVE SUMMARY WILL BE POUCHED TO ADDRESSEES
ASAP. MAJOR POINTS ARE AS FOLLOWS IN PARAS 2-6. .;
 2. OPERATION PRESENT-DAY SST AIRCRAFT AND THOSE CURRENTLY
SCHEDULED ENTER SERVICE (ABOUT 30 CONCORDES AND TU-144'S)
IS EXPECTED TO HAVE CLIMATIC EFFECTS FAR LESS THAN THOSE
- LIMITED OFFICIAL USE

LIMITED OFFICIAL USE

PAGE 02 STATE 013439

MINIMALLY DETECTABLE.

3. FUTURE HARMFUL EFFECTS ENVIRONMENT CAN BE AVOIDED IF PROPER MEASURES UNDERTAKEN IN TIMELY MANNER TO DEVELOP NEW ENGINE TECHNOLOGY LEADING TO LOWER LEVELS NITROGEN OXIDE EMISSIONS AND USE OF JET FUELS HAVING LOWER SULFUR CONTENT THAN CURRENT FUELS.

4. IF NUMBERS STRATOSPHERIC VEHICLES (INCLUDING SUBSONIC AIRCRAFT) BEYOND YEAR 1980 INCREASE AT HIGH RATE,

IMPROVEMENTS OVER 1974 PROPULSION TECHNOLOGY WOULD BE NECESSARY ASSURE THAT EMISSIONS IN STRATOSPHERE WOULD NOT CAUSE SIGNIFICANT DISTURBANCE OF ENVIRONMENT.

5. COST OF CARRYING OUT MEASURES IN ITEM 3 INCLUDING OPERATIONAL COST OF COMPLIANCE IS SMALL COMPARED TO POTENTIAL ECONOMIC, SOCIAL COSTS OF NOT DOING SO.

6. CONTINUOUS ATMOSPHERIC MONITORING AND RESEARCH PROGRAM CAN FURTHER REDUCE REMAINING UNCERTAINTIES, CAN ASCERTAIN WHETHER ATMOSPHERIC QUALITY BEING MAINTAINED, AND CAN MINIMIZE COST OF DOING SO.

7. CIAP TECHNICAL BACKGROUND: TWO PRINCIPAL AIRCRAFT ENGINE POLLUTANTS WHICH MIGHT AFFECT ENVIRONMENT ARE NITROGEN OXIDES AND SULFUR DIOXIDE. NITROGEN OXIDES COULD REDUCE CONCENTRATION OF OZONE IN STRATOSPHERE, THEREBY ENHANCING INTENSITY OF ULTRAVIOLET RADIATION IMPINGING SURFACE OF EARTH. THIS ENHANCED ULTRAVIOLET RADIATION COULD INCREASE INCIDENCE OF SKIN CANCER AND HAVE OTHER BIOLOGICAL CONSEQUENCES. SULFUR DIOXIDE COULD INCREASE THICKNESS OF AEROSOL LAYER IN STRATOSPHERE THEREBY DECREASING VISIBLE RADIATION IMPINGING ON EARTH. THIS DECREASE IN RADIATION COULD DECREASE EARTH'S SURFACE TEMPERATURE, EFFECTING CHANGES IN AGRICULTURE, FORESTRY, AND LIVING CONDITIONS. CIAP REPORT OF FINDINGS WILL BE PRESENTED AND DISCUSSED AT "FOURTH CLIMATIC IMPACT ASSESSMENT PROGRAM" CONFERENCE, WHICH WILL CONVENE FEB 4-7, 1975 IN CAMBRIDGE, MASSACHUSETTS, AT DOT TRANSPORTATION SYSTEMS CENTER. USSR, UK, FRENCH SCIENTISTS WILL MAKE PRESENTA-

LIMITED OFFICIAL USE

LIMITED OFFICIAL USE

PAGE 03 STATE 013439

TIONS TO CONFERENCE. OTHER SENIOR FOREIGN SCIENTISTS WOULD BE WELCOME.

8. FOR LONDON AND FAA BRUSSELS: IF CIAP BRIEFING STILL DESIRED SUGGEST IT BE SCHEDULED IN LONDON. PLEASE ADVISE.

9. NATIONAL ACADEMY OF SCIENCES EXPECTED PUBLISH THEIR REVIEW OF CIAP DATA PLUS THEIR OWN CONCLUSIONS AND RECOM-

MENDATIONS, WITHIN 4-6 WEEKS. KISSINGER

LIMITED OFFICIAL USE

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: AIR POLLUTION, STRATOSPHERE, ENVIRONMENT, REPORTS
Control Number: n/a
Copy: SINGLE
Draft Date: 20 JAN 1975
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: MorefiRH
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975STATE013439
Document Source: CORE
Document Unique ID: 00
Drafter: JKGORDON:EE
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: D750021-0732
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1975/newtext/t19750136/aaaabfqp.tel
Line Count: 116
Locator: TEXT ON-LINE, ON MICROFILM
Office: ORIGIN EB
Original Classification: LIMITED OFFICIAL USE
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: LIMITED OFFICIAL USE
Previous Handling Restrictions: n/a
Reference: 75 STATE 1690, 75 12319
Review Action: RELEASED, APPROVED
Review Authority: MorefiRH
Review Comment: n/a
Review Content Flags:
Review Date: 09 APR 2003
Review Event:
Review Exemptions: n/a
Review History: RELEASED <09 APR 2003 by MartinML>; APPROVED <16 MAY 2003 by MorefiRH>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
05 JUL 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: SUMMARY OF DOT CLIMATIC IMPACT ASSESSMENT PROGRAM (CIAP) FINAL REPORT
TAGS: EAIR, SENV, UK, FR, DOT
To: PARIS MULTIPLE
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 05 JUL 2006